

## ABSTRACT

A picture taking apparatus and a chromatic aberration correcting method are provided in which a satisfactory correction processing can be performed even when the camera shake correction is simultaneously performed.

An output signal from a camera-signal processing circuit 4 is selected by a selector switch 5 and is supplied to a chromatic aberration correcting unit 6. On the other hand, an angular velocity due to the camera shake is detected using sensors 7P, 7Y and the detected signal is supplied to a camera shake correcting vector calculating unit 9 in control microcomputer 8. A driving state of a camera lens 1 such as a zoom focal length and focal position is supplied to a conversion-ratio calculating unit 10. An optical axis centered shift vector of camera lens 1 is obtained from the camera shake correcting vector and is supplied to the above unit 6. A conversion ratio of each color is supplied to the above unit 6. A signal corrected by the above 6 is compressed by data compression circuit 15 and supplied to a recording medium of a recording and reproducing unit 17 for recording. A signal reproduced therefrom is decompressed by a data expansion circuit 18 and supplied to the selector switch 5.

Accordingly the picture-quality deterioration caused in the miniaturized camera lens can be compensated by processing the captured image signal, and also a satisfactory correction processing can be performed even when the camera shake correction is performed simultaneously.